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03807 U.S. PTO
10/624618
07/22/03

MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Express Mail No.: EV 314103269 US
Attorney's Docket No.: 2001180-0078
Date Filed: July 22, 2003

UTILITY PATENT APPLICATION TRANSMITTAL
(FOR NEW NONPROVISIONAL APPLICATIONS UNDER 37 C.F.R. § 1.53(B))

Dear Sir:

Please find enclosed a patent application and papers as follows for:

Inventor(s):

Given Name (first and middle)	Family Name or Surname	Residence (City and State or Foreign Country)
Tae Kook	Kim	Newton, MA

Title of the Invention: Double and Triple Readout Assay Systems

A) APPLICATION ELEMENTS:

- 1) **Fee Transmittal Form** (original and duplicate submitted for fee processing)
- 2) **Applicant Claims Small Entity Status** (see 37 CFR 1.27)
 - a) ____ Statement Verifying Small Entity Status (optional)
- 3) **Specification** TOTAL PAGES: 25
 - Descriptive Title of the Invention
 - Related Applications
 - Background of the Invention
 - Summary of the Invention
 - Definitions
 - Brief Description of the Drawing
 - Detailed Description of Certain Preferred Embodiments of the Invention

- Examples
- Other Embodiments
- Claim(s)
- Abstract

4) **Drawing(s)** (35 U.S.C. § 113) TOTAL SHEETS: 5

a) Formal Drawings (if checked)

5 **Oath or Declaration** TOTAL PAGES: 3

a) Newly Executed (original or copy)

b) Copy from a prior application (37 C.F.R. § 1.63(d))-for continuation/divisional application

i) DELETION OF INVENTOR(S): Signed Statement deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

c) Unexecuted

6) **Application Data Sheet.** See 37 CFR 1.76.

7) **CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)**

8) **Nucleotide and/or Amino Acid Sequence Submission** (if applicable, all are necessary)

a) Computer Readable Form (CRF)

b) Specification Sequence Listing on:

i) CD-ROM or CR-R (2 copies); or

ii) Paper

c) Statements verifying identity of above copies

B) ACCOMPANYING APPLICATION PARTS:

- 9) **Assignment Papers**
- 10) **37 C.F.R. § 3.73(b) Statement** (when there is an assignee)
- 11) **Power of Attorney**
- 12) **English Translation Document** (if applicable)
- 13) **Information Disclosure Statement (IDS)/PTO-1449**
- 14) **Copies of IDS Citations**
- 15) **Preliminary Amendment**
- 16) **Return Receipt Postcard (MPEP 503)** (specifically itemized)
- 17) **Certified Copy of Priority Document(s)** (if foreign priority is claimed)
- 18) **OTHER:** (if applicable, specified below)
Establishing the Right of Assignee to Take Action (37 C.F.R. 3.73(b))

C) FOR CONTINUING APPLICATIONS: (the appropriate box is checked, and certain information is provided below and in a preliminary amendment)

CONTINUATION DIVISIONAL CONTINUATION-IN-PART (CIP)

OF PRIOR APPLICATION NO: 09/999,504
FILED: OCTOBER 25, 2001
EXAMINER: SULLIVAN, D.M.
GROUP/ART UNIT: 1636

FOR CONTINUATION OR DIVISIONAL APPLICATIONS ONLY: The entire disclosure of the prior application, from which an oath or declaration is supplied as detailed above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

D) METHOD OF PAYMENT OF FILING FEES FOR THIS APPLICATION:

- Applicant claims small entity status 37 CFR 1.27
- A check is enclosed to cover the filing fees as determined on the fee transmittal enclosed herewith
- The commissioner is hereby authorized to charge any filing fees or credit any overpayment to deposit account number 03-1721.

Total filing fee amount \$1,026.00

E) CORRESPONDENCE ADDRESS:

- Customer Bar Code Label: 
24280
PATENT TRADEMARK OFFICE
- Correspondence Address:

C. Hunter Baker, M.D., Ph.D.
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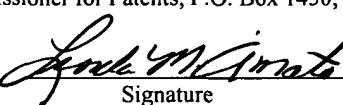
Respectfully Submitted,



C. Hunter Baker, M.D., Ph.D.
Reg. No.: 46,533

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July 22, 2003

Certificate of Mailing	
I certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
July 22, 2003	_____  Signature
Date	Linda M. Amato
_____ Typed or Printed Name of person signing certificate	

07/22/03
U.S. PTO

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,026.00)
Complete if Known

Application Number	
Filing Date	July 22, 2003
First Named Inventor	Tae Kook Kim
Examiner Name	Sullivan, D.M.
Art Unit	1636
Attorney Docket No.	2001180-0078

METHOD OF PAYMENT (check all that apply)
 Check Credit card Money Order Other None

 Deposit Account:

Deposit Account Number	03-1721
Deposit Account Name	Choate, Hall & Stewart

The Director is authorized to: (check all that apply)

-
- Charge fee(s) indicated below
-
- Credit any overpayments
-
-
- Charge any additional fee(s) during the pendency of this application
-
-
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 750	2001 375	Utility filing fee	750.00
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ 750.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	26	-20** = 6	X 18	= 108
Independent Claims	5	- 3** = 2	X 84	= 168
Multiple Dependent				

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 276.00)

** or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)	C. Hunter Baker	Registration No. (Attorney/Agent)	46,533	Telephone	617-248-5215
Signature					
	Date	July 22, 2003			

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.